CLAIMS

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What Is Claimed Is:

- 1. A specialty ink-jet ink, comprising:
- an ink vehicle; and
- a sufficient amount of particulates having directionally dependent light reflective properties dispersed within the ink vehicle such that when the ink-jet ink is substantially dried on a desired substrate, a multi-colored reflected light is emittable in the presence of a light source.
 - 2. A specialty ink-jet ink as in claim 1 wherein the particulates are selected from the group consisting of pearlescent particulates, mica particulates, glitter particulates, coated silica composite particulates, coated plastic composite particulates, magnesium fluoride particulates, and combinations thereof.
- 3. A specialty ink-jet ink as in claim 1 wherein the particulates are shaped according to a general geometry selected from the group consisting of substantially spherical, substantially plate-like, substantially irregular, and substantially needle-like.
- A specialty ink-jet ink as in claim 1 wherein the particulates range in size
 from .01 microns to 100 microns in length.
 - A specialty ink-jet ink as in claim 1 wherein the particulates range in size from 2 microns to 20 microns in length.

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- A specialty ink-jet ink as in claim 1 wherein the particulates range in size from 5 microns to 10 microns in length.
- 7. A specialty ink-jet ink as in claim 1 wherein the particulates range in size
 5 from 20 microns to 100 microns in length.
 - A specialty ink-jet ink as in claim 1 wherein the particulates range in size from 0.01 to 0.1 microns in length.
 - A specialty ink-jet ink as in claim 1 wherein the particulates are present in the ink vehicle at from 1% to 10% by weight.
 - 10. A specialty ink-jet ink as in claim 1 further comprising an effective amount of an ink colorant.
 - 11. A specialty ink-jet ink as in claim 10 wherein the ink colorant imparts the directionally dependent light reflective properties.
- 12. A specialty ink-jet ink as in claim 10 wherein the ink colorant is a
 plurality of pigment solids, and the pigment solids are attached to the particulates.
 - 13. An aqueous ink-jet ink printing system, comprising:

a specialty ink-jet ink comprising an ink vehicle having dispersed therein an effective amount of particulates, said particulates having directionally dependent light reflective properties; and

a specialty ink-jet ink pen configured for jetting the ink-jet ink.

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- 14. A system as in claim 13 wherein the specialty ink-jet ink pen is selected from the group consisting of a thermal ink-jet ink pen and a piezo ink-jet ink pen.
- 15. A system as in claim 13 further comprising a substrate configured for accepting the jetted specialty ink-jet ink.
- 16. A system as in claim 15 wherein the particulates, when printed on the substrate and in the presence of light, emit multi-colored reflected light.
- 17. A system as in claim 15 wherein the intensity of the directionally dependent light reflective properties is increased upon a second coating of the specialty ink-jet ink printed onto the printed substrate.
- 18. A system as in claim 13 wherein the average particulate size in length to bore size in diameter is from 1:8 to 1:300.
- A system as in claim 13 wherein the bore size is from 20 microns to 200 microns in diameter.

- 20. A system as in claim 13 wherein the particulate size is from 0.01 microns to 100 microns in length.
- 21. A system as in claim 15 further comprising a standard ink-jet ink pen
 5 capable of printing black or colored images, wherein the specialty ink-jet ink pen
 rides along with the standard ink-jet pen, and wherein the specialty ink-jet ink pen is
 activated when the substrate is to be marked as an original.
 - 22. A method for marking a document as an original, comprising: providing an image-containing document that is to be marked as an original; and

ink-jetting a visible mark onto the document, wherein the visible mark has a non-copyable property.

- 15 23. A method as in claim 22 wherein the non-copyable property is a directionally dependent light reflective property present in the visible mark when exposed to light.
- 24. A method as in claim 22 wherein the visible mark is ink-jetted onto the
 document during a single pass through a printer that also provides the image on the document.
 - 25. A method as in claim 22 wherein the image is text or pictorial.

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- 26. A method as in claim 22 wherein the visible mark is text.
- 27. A method as in claim 22 wherein the visible mark is pictorial.
- 5 28. A method of generating revenue, comprising:

providing a specialty ink-jet ink pen for use in a printer, said specialty ink-jet pen being capable of printing a visible mark on a substrate, said visible mark having a property that is non-copyable; and

limiting the number of substrates that can be printed with the specialty ink-jet ink pen in accordance with an amount of consideration paid by the customer.

- 29. A method as in claim 28 wherein the visible mark contains reflective particulates, providing a directionally dependent light reflective property when printed on a substrate and exposed to light.
- 30. A method as in claim 28 wherein the amount of consideration paid by the consumer is an amount of money based upon a per-document schedule.
- 31. A method as in claim 28 wherein the number of substrates that can be printed is set and is based upon an amount of money paid for the specialty ink-jet ink pen.
 - 32. A method as in claim 28 wherein the number of substrates that can be printed is set as per an electronic purchase.

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- 33. A method as in claim 28 wherein the number of substrates that can be printed is set by a code sent electronically to the specialty ink-jet ink pen.
- 34. A method as in claim 33 wherein the code sent electronically is sent froma remote location.
 - 35. A method as in claim 32 wherein the number of substrates that can be printed is limited by time constraints.
 - 36. A method as in claim 28 wherein the printer is equipped with an electronic counter that regulates the number of documents that can be printed.
 - 37. A method as in claim 36 wherein the electronic counter is equipped for modification by electronic signal sent to the electronic counter.
 - 38. A method of providing clients with original document marking services, comprising:

obtaining a document on which a client wishes to have marked as original; and printing a visible mark on the document, wherein the visible mark is non-

20 copyable.

39. A method as in claim 38 wherein the visible mark is printed by ink-jetting the visible mark onto the document. 40. A method as in claim 38 wherein when the visible mark is substantially dried on the document, a directionally dependent light reflective property is present.